



10TH INTERNATIONAL ADVISORY COMMITTEE MEETING

Anatel Report on National Activities in Brazil

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1. INTRODUCTION:

In reply to WHO document E15-445-11(E), regarding National Activity Reports for the 10th International Advisory Committee (IAC) meeting, the National Telecommunication Agency – ANATEL, presents in this document what have been done, in Brazil, since 9th IAC meeting.

In this direction, the agency is enforcing the regulation regarding EMF exposure, particularly those supported by WHO/ICNIRP. Given this, the report presents the Anatel view on **policies and legislations**, areas of **public concerns** and national responses as well new public **information** activities that have been developed.

2. POLICIES AND LEGISLATIONS REGARDING EMF EXPOSURE:

To assure a high quality evaluation of telecommunication stations regarding de accomplishment to the national telecom regulation concerned to the limitation of electric, magnetic and electromagnetic fields exposure frequencies between 9 kHz and 300 GHz, it is in development stage a new regulation on the evaluation of radio base stations by a Designated Appraiser Body, appointed by ANATEL.

This Regulation will harmonize the procedures of radio base evaluation in order to fulfill the regulation requirements on electromagnetic fields of telecommunication systems, which is in force since 2002.

Additionally, ANATEL has been participating in the Study Group 5 (*Protection against electromagnetic environment effects*) at Telecommunication Bureau of the International Telecommunication Union (ITU-T). In this study group, the work that was already done at Question 3/5 (*Radio-frequency environmental characterization and health effects related to mobile equipment and radio systems*) has approved two Recommendations **K.52** (*Guidance on complying with limits for human exposure to electromagnetic fields*) and **K.61** (*Guidance to measurement and numerical prediction of electromagnetic fields for compliance with human exposure limits for telecommunication installations*). Additionally, a new Recommendation **K.pred** (*Calculation method for prediction of EMF*) is in development stage.

Also, ANATEL is representing Brazilian Administration at the Inter-American Telecommunication Commission (CITEL), an entity of the Organization of American States - OAS, in the Permanent Consultative Committee II: Radiocommunications including Broadcasting – PCCII, meeting. Currently this Committee is evaluating a draft recommendation concerned to technical and regulatory aspects related to the effects of non ionizing radiation.

3. AREAS OF PUBLIC CONCERN AND NATIONAL RESPONSES:

ANATEL has answering to the public and to governmental authorities, several requirements of information regarding the concern to electromagnetic field exposure.

In this direction, since IAC 9th meeting, ANATEL prepared 71 clarifications correspondences on this issue, mostly regarding EMF effects, regional legislations, mitigation techniques, harmonize measurements procedures, standardization and National Regulation on this issue.

4. NEW PUBLIC INFORMATION ACTIVITIES:

An activity that has been carried out throughout in Brazil is an EMF Data Base, considering the radio station sites, which is in the development stage.

At this first moment it will be used to support ANATEL enforcement activities. However, as the project develops, this Data Base will be displayed in the Anatel website as a public information tool, regarding the EMF measured levels.

5. FINAL COMMENTS:

Given the presented, it is the pivotal interest of the Regulatory Telecommunication Agency in Brazil discussion on the procedures for the standardization of base station measurements.

Finally, ANATEL is working on EMF Project supported by WHO/ICNIRP reports. In this direction ANATEL is available to joint forces to this organizations seeking make interaction between Health and Telecommunication areas, and than to find the better way to deal with this issue.